

L Number	Hits	Search Text	DB	Time stamp
1	96	(Shibata-Soichi or Kusakabe-Hiroki or Hatoh-Kazuhito or Hase-Nobuhiro or Takeguchi-Shinsuke or Ohara-Hideo or Matsumoto-Toshihiro or Kokawa-Katsuzou or Urata-Takayuk).in.	USPAT; US-PGPUB	2004/09/22 08:02
2	83032	(fuel adj cell) or FC or (electrochemical adj cell) or (fuel-cell)	USPAT; US-PGPUB	2004/09/22 09:43
3	67	((Shibata-Soichi or Kusakabe-Hiroki or Hatoh-Kazuhito or Hase-Nobuhiro or Takeguchi-Shinsuke or Ohara-Hideo or Matsumoto-Toshihiro or Kokawa-Katsuzou or Urata-Takayuk).in.) and ((fuel adj cell) or FC or (electrochemical adj cell) or (fuel-cell))	USPAT; US-PGPUB	2004/09/22 08:04
7	992	429/40.ccls.	USPAT; US-PGPUB	2004/09/22 09:28
8	419	429/41.ccls.	USPAT; US-PGPUB	2004/09/22 09:29
9	1206	429/30.ccls.	USPAT; US-PGPUB	2004/09/22 09:29
15	53388	((((polymer adj electrolyte) or (polyelectrolyte)) adj membrane) or (polymer\$2 adj electrolyte) or (polyelectrolyte) or (solid adj electrolyte) or (ion adj conductor) or (ionic adj conductor))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 09:48
17	1554	((((fuel adj cell) or FC or (electrochemical adj cell) or (fuel-cell)) and (((polymer adj electrolyte) or (polyelectrolyte)) adj membrane) or (polymer\$2 adj electrolyte) or (polyelectrolyte) or (solid adj electrolyte) or (ion adj conductor) or (ionic adj conductor))).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 09:35
18	51	((((fuel adj cell) or FC or (electrochemical adj cell) or (fuel-cell)) and (((polymer adj electrolyte) or (polyelectrolyte)) adj membrane) or (polymer\$2 adj electrolyte) or (polyelectrolyte) or (solid adj electrolyte) or (ion adj conductor) or (ionic adj conductor))).clm.) and ((Shibata-Soichi or Kusakabe-Hiroki or Hatoh-Kazuhito or Hase-Nobuhiro or Takeguchi-Shinsuke or Ohara-Hideo or Matsumoto-Toshihiro or Kokawa-Katsuzou or Urata-Takayuk).in.)	USPAT; US-PGPUB	2004/09/22 09:36
19	66078	(gas adj diffusion adj layer) or (diffusion adj substrate) or (sheet adj support) or diffuser	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 10:01
16	7522	((fuel adj cell) or FC or (electrochemical adj cell) or (fuel-cell)) and (((polymer adj electrolyte) or (polyelectrolyte)) adj membrane) or (polymer\$2 adj electrolyte) or (polyelectrolyte) or (solid adj electrolyte) or (ion adj conductor) or (ionic adj conductor))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 09:41
22	142405	(fuel adj cell) or FC or (electrochemical adj cell) or (fuel-cell)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 13:21
23	15246	((((polymer adj electrolyte) or (polyelectrolyte)) adj membrane) or (polymer\$2 adj electrolyte) or (polyelectrolyte) or (solid adj electrolyte) or (ion adj conductor) or (ionic adj conductor)) and ((fuel adj cell) or FC or (electrochemical adj cell) or (fuel-cell))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 09:44

24	1095	((gas adj diffusion adj layer) or (diffusion adj substrate) or (sheet adj support) or diffuser) and (((((polymer adj electrolyte) or (polyelectrolyte)) adj membrane) or (polymer\$2 adj electrolyte) or (polyelectrolyte) or (solid adj electrolyte) or (ion adj conductor) or (ionic adj conductor)) and ((fuel adj cell) or FC or (electrochemical adj cell) or (fuel-cell)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 09:45
25	359400	gas adj3 (channel or flow or passageway or stream or passage or conduit)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 09:58
27	635	((((gas adj diffusion adj layer) or (diffusion adj substrate) or (sheet adj support) or diffuser) and (((((polymer adj electrolyte) or (polyelectrolyte)) adj membrane) or (polymer\$2 adj electrolyte) or (polyelectrolyte) or (solid adj electrolyte) or (ion adj conductor) or (ionic adj conductor)) and ((fuel adj cell) or FC or (electrochemical adj cell) or (fuel-cell)))) and (gas adj3 (channel or flow or passageway or stream or passage or conduit))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 10:04
28	107	((fuel adj cell) or FC or (electrochemical adj cell) or (fuel-cell)) and (((((polymer adj electrolyte) or (polyelectrolyte)) adj membrane) or (polymer\$2 adj electrolyte) or (polyelectrolyte) or (solid adj electrolyte) or (ion adj conductor) or (ionic adj conductor)) same ((gas adj diffusion adj layer) or (diffusion adj substrate) or (sheet adj support) or diffuser) same (gas adj3 (channel or flow or passageway or stream or passage or conduit)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 09:52
29	72	((fuel adj cell) or FC or (electrochemical adj cell) or (fuel-cell)) and (((((polymer adj electrolyte) or (polyelectrolyte)) adj membrane) or (polymer\$2 adj electrolyte) or (polyelectrolyte) or (solid adj electrolyte) or (ion adj conductor) or (ionic adj conductor)) same ((gas adj diffusion adj layer) or (diffusion adj substrate) or (sheet adj support) or diffuser) same (gas adj3 (channel or flow or passageway or stream or passage or conduit)))) and (porosity or porousness or porous)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 09:53
33	1687	429/34.ccls.	USPAT; US-PGPUB	2004/09/22 10:04
34	10	429/40.ccls. and 429/41.ccls. and 429/30.ccls. and 429/34.ccls.	USPAT; US-PGPUB	2004/09/22 11:21
35	3	(protrude or protruding or project or projecting or ((extend or extending) adj (in or into)) or jut or jutting) and (429/40.ccls. and 429/41.ccls. and 429/30.ccls. and 429/34.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 11:27
37	9	(protrude or protruding or project or projecting or ((extend or extending) adj (in or into)) or jut or jutting) and (((fuel adj cell) or FC or (electrochemical adj cell) or (fuel-cell)) and (((((polymer adj electrolyte) or (polyelectrolyte)) adj membrane) or (polymer\$2 adj electrolyte) or (polyelectrolyte) or (solid adj electrolyte) or (ion adj conductor) or (ionic adj conductor)) same ((gas adj diffusion adj layer) or (diffusion adj substrate) or (sheet adj support) or diffuser) same (gas adj3 (channel or flow or passageway or stream or passage or conduit)))) and (porosity or porousness or porous))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 11:58

38	102	("4776943" "4773376" "4957705" "5368713" "4485739" "5791139" "6264738" "4611752" "4822466" "4902422" "5236758" "5389420" "6001665" "4272330" "5298235" "5686198" "5722238" "6120924" "6692855" "4022870" "4272329" "4381224" "4597777" "4761515" "5296112" "5580440" "5937633" "6299433" "6303098" "6395675" "6586127" "6602324" "4774152" "4818640" "4861261" RE34541 "4579789" "4855092" "5443711" "5529648" "5538612" "5567141" "5758587" "5849254" "5894013" "6007688" "6210641" "6210641" "4317867" "4354468").pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 12:56
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39	35	((fuel adj cell) or FC or (electrochemical adj cell) or (fuel-cell)) and (((polymer adj electrolyte) or (polyelectrolyte)) adj membrane) or (polymer\$2 adj electrolyte) or (polyelectrolyte) or (solid adj electrolyte) or (ion adj conductor) or (ionic adj conductor)) same ((gas adj diffusion adj layer) or (diffusion adj substrate) or (sheet adj support) or diffuser) same (gas adj3 (channel or flow or passageway or stream or passage or conduit)))) not (((fuel adj cell) or FC or (electrochemical adj cell) or (fuel-cell)) and (((polymer adj electrolyte) or (polyelectrolyte)) adj membrane) or (polymer\$2 adj electrolyte) or (polyelectrolyte) or (solid adj electrolyte) or (ion adj conductor) or (ionic adj conductor)) same ((gas adj diffusion adj layer) or (diffusion adj substrate) or (sheet adj support) or diffuser) same (gas adj3 (channel or flow or passageway or stream or passage or conduit)))) and (porosity or porousness or porous))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 13:02
40	6	((("6740443") or ("6383676") or ("6566002") or ("6492054") or ("6329094") or ("6180274")).PN.	USPAT	2004/09/22 13:03
47	5	6309769.URPN.	USPAT	2004/09/22 13:09
48	11	("4910099" "5028498" "5183713" "5208207" "5211984" "5271916" "5330727" "5786026" "5922487" "5922488" "6007934").PN.	USPAT	2004/09/22 13:10
57	0	20040157111.URPN.	USPAT	2004/09/22 13:12
58	0	20040157111.URPN.	USPAT	2004/09/22 13:12
59	7	("258381" or "724606" or "724713" or "725339" or "725215").ap.	US-PGPUB	2004/09/22 13:19
60	19161	(rib or landing) with width	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 13:19
61	124	((rib or landing) with width) same (gas adj3 (channel or flow or passageway or stream or passage or conduit))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 13:46
62	0	20040110056.URPN.	USPAT	2004/09/22 13:42
63	0	2004192985.URPN.	USPAT	2004/09/22 13:44
64	47	4175165.URPN.	USPAT	2004/09/22 13:45
65	1	4175165.URPN. and ((rib or landing) with width)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 13:47
66	4	("3012086" "3134696" "3188242" "3497389").PN.	USPAT	2004/09/22 13:47
67	0	20030003345.URPN.	USPAT	2004/09/22 14:06
86	0	20030211376.URPN.	USPAT	2004/09/22 14:19
95	0	20030152819.URPN.	USPAT	2004/09/22 14:21
98	0	6770396.URPN.	USPAT	2004/09/22 14:21
99	2	("6190793" "6270917" "2002/0182470").PN.	USPAT	2004/09/22 14:22

IEEE Xplore search strings:

((fuel cell) <or> fc <or> (electrochemical cell)) <and> ((gas diffusion layer) <or> (diffusion substrate) <or> (sheet support) <or> diffuser)
((fuel cell) <or> fc <or> (electrochemical cell)) <and> (separator <or> collector <or> biplate <or> endplate <or> (biplate support)) <and> (rib <or> landing) <and> width
(electrode <or> anode <or> cathode) <and> ((gas diffusion layer) <or> (diffusion substrate) <or> (sheet support) <or> diffuser)
(porosity <or> porous <or> porousness) <and> ((gas diffusion layer) <or> (diffusion substrate) <or> (sheet support) <or> diffuser)

ACS Publications search strings:

((fuel cell) or fc or (electrochemical cell)) and (porosity or porous or porousness) and
((gas diffusion layer) or (diffusion substrate) or (sheet support) or diffuser)

Science Direct search strings:

((fuel cell) or fc or (electrochemical cell)) and (porosity or porous or porousness) and
((gas diffusion layer) or (diffusion substrate) or (sheet support) or diffuser)